**75-0758-01** **Emission Summary**

**Permit Number:** 970277G

**Source Status:** New☐ Modification☒ Expansion☐ Relocation☐ **Permit Status:** New☒ Renewal☐

PSD☐ NSPS☐ NESHAPs☒ **Previous Permit Number:** Construction _____ Operating _____

| | Pounds/Hour | | | Tons/Year | | | | Date of Data | * | Applicable Standard 1200-3- |
|---|---|---|---|---|---|---|---|---|---|---|
| | Actual | Potential | Allowable | Actual | Potential | Allowable | Net Change | | | |
| TSP | | | | | | | | | | |
| $SO_2$ | | | | | | | | | | |
| CO | | | | | | | | | | |
| VOC | **0.381** | **0.381** | | **1.67** | **1.67** | | | 05/08/15 | | 7-.07(2), 18-.24 |
| $NO_X$ | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

* - Source of data: California Air Pollution Control Officers Association (CAPCOA) Toxics Committee's Air Toxics "Hot Spots" Program Report titled *Gasoline Service Station Industrywide Risk Assessment Guidelines,* dated December, 1997.

**Gasoline Dispensing Facility:** **Scenario 5B: Underground Tanks, Phase I, with Vent Valves**

**VOC Emission Factors:**

| | |
|---|---|
| **Tank Loading** | **0.084 pounds/1000 gallons** |
| **Tank Breathing** | **0.21 pounds/1000 gallons** |
| **Vehicle Refueling** | **8.4 pounds/1000 gallons** |
| **Spillage** | **0.61 pounds/1000 gallons** |
| **Total** | **9.30 pounds/1000 gallons** |

*Underground emission factors were used even though the tanks are above ground because VOC emission are the most conservative estimate.*

(9.30 pounds VOC/1000 gallons) x (30000 gallons/month) x (12 months/year)
x (1 ton/2000 lbs) = **1.67** tons VOC/year

(1.674 tons VOC/year) x (1 year/8760 hours) x (2000 pounds/ton) = **0.381** pounds VOC/hour

PERMITTING PROGRAM: CAM DATE: 5/19/15

# CONSTRUCTION PERMIT SUMMARY REPORT

Company Name: City of Murfreesboro File Number: 75-0758 EPS Initials: CAM

Permit Number(s): 970277G Source Point Number(s): 01

Application Received (date): May 13, 2015 Application Complete (date): May 13, 2015

Air Quality Analysis Performed? Yes☐ No☒

Briefly describe the project: (new source, modifications) (what the process is) (type controls proposed) (emissions expected, qualitative) (replacing what sources) (background information)

The construction permit application is for a gasoline dispensing facility. Gasoline dispensing facility as defined in 40 CFR §63.11132 are subject to National Emission Standards for Hazardous Air Pollutants (NESHAPS), 40 CFR Part 63, Subpart CCCCCC. Since the maximum monthly throughput for this source is greater than 10,000 gallons but less than 100,000 gallons, this source must meet the requirements of §63.11117. The facility is an area source subject to both Stage I and II requirements, but the company has requested a variance from Stage II requirements.

The expected emission from this source is VOC. Stage I vapor recovery will be used for pollution control.

## Rules Analysis

Title V☐ Cond. Major☐ Minor☒ Source category listed in 1200-3-9-.01(4)(b)1.(i)? Yes☐ No☒

| | | | | | |
|---|---|---|---|---|---|
| Reason for PSD: | New source above ____ TPY | ☐ | Sig. increase in ____ emissions | ☐ | N/A ☒ |
| Applicable NSPS: | 40 CFR Part 60, Subpart ____ | ☐ | State Rule 1200-3-16-. ____ | ☐ | N/A ☒ |
| Applicable NESHAP: | 40 CFR Part 61, Subpart ____ | ☐ | State Rule 1200-3-11-. ____ | ☐ | N/A ☒ |
| Applicable NESHAP: | 40 CFR Part 63, Subpart 6C | ☒ | State Rule 1200-3-31-. ____ | ☐ | N/A ☒ |

### Other Applicable State Rules

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TSP Emissions: | 1200-3- | ____ | -. ____ | ☐ | N/A ☐ | $NO_x$ Emissions: | 1200-3- | ____ | -. ____ | ☐ | N/A ☒ |
| $SO_2$ Emissions: | 1200-3- | 14 | -. ____ | ☐ | N/A ☐ | Lead Emissions: | 1200-3- | ____ | -. ____ | ☐ | N/A ☒ |
| VOC Emissions: | 1200-3- | 18 | -. 24 | ☒ | N/A ☐ | _____ Emissions: | 1200-3- | ____ | -. ____ | ☐ | N/A ☐ |
| VOC Emissions: | 1200-3- | 07 | -. 07(2) | ☒ | N/A ☐ | _____ Emissions: | 1200-3- | ____ | -. ____ | ☐ | N/A ☐ |

Visible Emissions from this source not to exceed 20 % opacity per Method 9 (Rule 1200-3-05-.03(6) )

Visible Emissions from _____ not to exceed ____ % opacity per Method ____ (Rule 1200-3-___-._____)

Visible Emissions from _____ not to exceed ____ % opacity per Method ____ (Rule 1200-3-___-._____)

Comments: _____

_____